|   | Index of Claims |            |              |                     |                            |          |        |         |            |             |          |               |          |          | Application/Control No. |                |         |              |               |                     |                |              |                |                 | Applicant(s)/Patent under Reexamination |              |              |         |              |        |  |            |   |
|---|-----------------|------------|--------------|---------------------|----------------------------|----------|--------|---------|------------|-------------|----------|---------------|----------|----------|-------------------------|----------------|---------|--------------|---------------|---------------------|----------------|--------------|----------------|-----------------|---|--------------|--------------|---------|--------------|--------|--|------------|---|
|   |                 |            |              |                     |                            |          |        |         |            |             | I        |               |          |          |                         | 10/643,621     |         |              |               |                     |                |              |                |                 | ΔΙ                                      | NII še       | ΊΤ           | СН      | E۱           |        | . Δι   |            |   |
|   |                 |            |              |                     |                            |          |        |         |            |             |          |               |          |          |                         | Examiner       |         |              |               |                     |                |              |                |                 | ANIKITCHEV ET                           |              |              |         |              |        | $\Delta$   | <u></u>    | _ |
|   |                 |            |              |                     |                            | Ш        |        |         |            |             |          |               |          |          |                         |                |         |              |               |                     |                |              |                |                 |   |              |              |         |              |        |  |            |   |
|   |                 | 118810     | 11181        |                     | <b>J J J J J J J J J J</b> | PILE     |        |         | 11891      | *****       | ••       |               |          |          |                         | Tod T. Van Roy |         |              |               |                     |                |              |                |                 | 28                                      | 2828         |              |         |              |        |  | - <u> </u> |   |
|   |                 |            |              |                     |                            |          |        |         |            |             |          |               |          |          |                         | _              | _       |              |               |                     |                | ,            | _              |                 |   |              |              |         | _            |        |  |            |   |
|   |                 |            | <sub>√</sub> | / Rejected          |                            |          | . 1    |         | l_         | (           | Th       | Through numer |          |          | eral                    | I)             |         |              | ٠,            | Non-E               |                | ted          |                |                 | Appeal                                  |              |              |         |              |        |  |            |   |
|   |                 |            |              |                     |                            |          |        |         |            |             |          | Cancelled     |          |          |                         |                | ╛       | 1            | 4 .           |                     |                | 1            | Α              | л.ррош.         |   |              |              | 1       |              |        |  |            |   |
|   |                 |            |              | Allowed             |                            |          |        |         | ÷          |             |          | Restricted    |          |          |                         |                |         | h            | ıl.           | Interference        |                |              | 0              | Objected        |   |              |              |         |              |        |  |            |   |
|   |                 |            |              |                     |                            |          |        |         | Ŀ          |             | _        | Restricted    |          |          |                         |                |         |              | <u>'</u>      |                     |                |              | }              |                 |   |              |              |         |              |        |  |            |   |
| r | Claim           |            |              | Deta                |                            |          |        |         |            | <del></del> | г        | Claim         |          |          |                         | Date           |         |              |               | <del></del>         |                |              |                | Т               | Data                                    |              |              |         |              |        |  |            |   |
| } | Claim           |            | nīU          | Date                |                            |          |        | $\top$  | 1          | Н           | ╁        | Cla           |          |          |                         | <del></del>    |         | T            | $\overline{}$ | <del></del>         |                | <u>- </u>    | aim            | Н               | Date                                    |              |              |         | Т            | 1      |  |            |   |
|   | Final           | Original   | $Z_{\ell}$   | <u> </u>            |                            |          |        |         |            |             |          | Final         | Original |          |                         |                |         |              |               |                     |                | Final        | Original       |                 |   | 1            |              |         |              |        |  |            |   |
|   | Ë               | ļ ģ.       | Z            |                     |                            |          |        |         |            |             | 1        | ᄩ             | è        |          |                         |                |         |              |               |                     |                | ﻧַ֡          | Original Paris |                 |   | - [          | -            |         |              |        |  |            |   |
| } |                 |            |              |                     | +                          | -        | 4      | $\bot$  | 1          | Н           | Ļ        |               |          | -        | -                       | +              | +       | +            | $\perp$       | $\sqcup$            | _              |              |                |                 | -                                       | -            | +            | +       | +            | 1      | Н  |            |   |
| } |                 | ②<br>2     | 7            | $\dashv$            | +                          | +        | +      | +       | +-         | Н           | ŀ        | _             | 51<br>52 |          | +                       | +              | +-      | ╁            | +-            | ╁┤                  | -              |              | 101            | $\vdash$        | $\dashv$                                | $\dashv$     | +            | +       | ╁            | +-     | -  |            |   |
| Ì |                 | 3          | O            |                     |                            | 士        | $\top$ | 1       |            |             | t        |               | 53       | $\top$   | 1                       | t              | 1       | İ            | $\top$        |                     |                |              | 103            | П               | $\Box$                                  | $\top$       | $\top$       | ┪       | †            |        |  |            |   |
| [ |                 | 4          | 2            |                     | $\perp$                    | $\dashv$ | 4      | 4       | $\perp$    |             | F        |               | 54       | 1        | 4                       | $\bot$         | -       | $\perp$      | $\perp$       |                     |                |              | 104            | Ш               | $\perp$                                 | $\perp$      | 1            | $\perp$ | 1            | ļ      |  |            |   |
| } |                 | 5<br>6     | 4            | $\dashv$            | -                          | +        |        | +-      | +          | Н           | ŀ        |               | 55<br>56 | +        | +                       | +              | +-      | ╀            | +             | $\vdash$            |                | -            | 105<br>106     | Н               |   | +            | +            | +       | +            | 1      |  | į          |   |
| ŀ |                 | 7          | <u></u>      |                     | ╅                          | +        | ┰      | ╁       | +-         | H           | F        |               | 57       | +        | +                       | 十              | +-      | t            | +             | $\vdash$            |                | <del> </del> | 107            | Н               | 十                                       | $\dashv$     | +            | +       | +            | $\top$ | Н  | I          |   |
| [ |                 | 8          | V            |                     |                            |          |        |         |            |             |          |               | 58       |          |                         |                | 土       |              |               |                     |                |              | 108            |                 |   |              |              |         |              |        |  |            |   |
|   |                 | 9          | 1            |                     | -                          | 4        | +      | +       | ₽-         | Н           | -        |               | 59       | 4        | -                       | +              | +       | +            | +-            | -                   | -              | <u> </u>     | 109            | $\vdash$        | $\dashv$                                | +            | +            | +       | ╀            | +-     | Н  |            |   |
| - |                 | 10         | /            |                     | $\dashv$                   | +        | +      | +-      | ╁          | Н           | ┝        |               | 60<br>61 | +        | +                       | +              | +       | ╁            | +             | $\vdash$            |                |              | 110<br>111     | H               | $\dashv$                                | +            | ┿            | +       | ┿            | ╁      |  |            |   |
| Ì | _               | 12         | フ<br>フ       |                     | $\top$                     | $\top$   | Ť      | $\top$  | -          |             | t        |               | 62       |          | 士                       |                |         | $\perp$      |               |                     |                |              | 112            |                 |   |              | Ţ            |         | T            | T      |  |            |   |
| [ |                 | 13         | 4            |                     |                            | 4        | 4      |         | lacksquare |             | F        |               | 63       | 4        | 4                       | $\bot$         |         |              | $\bot$        |                     | _              |              | 113            | Ш               | _                                       | 1            | 4            | $\perp$ | 4            | -      |  |            |   |
| - |                 | (19)<br>15 | 1            | $\dashv$            |                            |          |        | +       | +          | Н           | ŀ        |               | 64<br>65 | +        | +                       |                | +-      | +            | +             | ╂╾╂                 |                |              | 114            | H               | $\dashv$                                | +            | +            | +-      | +            |        | -  |            |   |
|   |                 | 16         | 7            | $\dashv$            | $\dashv$                   | ╅        | +      | +-      | +          | H           | 卜        |               | 66       | 十        | $\dashv$                | $\dagger$      | +       | $^{+}$       |               | $\Box$              | $\dashv$       |              | 116            |                 |   | $\neg$       |              | $\top$  | $\top$       | 1      |  |            |   |
|   |                 | 0          | 7            |                     |                            |          |        |         |            |             |          |               | 67       |          |                         |                |         | I            |               | П                   |                |              | 117            | П               | $\Box$                                  |              |              |         |              |        |  |            |   |
|   |                 | (B)<br>19  | 1            |                     | $\dashv$                   | -        | _      | +       | +          | Н           | ŀ        |               | 68<br>69 | +        | -                       |                | +       | ╀            |               | H                   | _              | <b></b>      | 118<br>119     | $\vdash \vdash$ | $\dashv$                                | $\dashv$     | -            | +       | +            | +      |  |            |   |
|   |                 | 20         | 0            | $\vdash$            | +                          | +        | +      | +-      | ╁          | Н           | ŀ        |               | 70       | $\dashv$ | $\dashv$                | 1              | +       | ╁            | -             | H                   | $\dashv$       | -            | 120            | Н               | 十                                       | +            | +            | ╅       | +            | +-     | ├  |            |   |
|   |                 | (1)        | 2            |                     |                            |          |        |         |            |             |          |               | 71       |          |                         |                |         |              |               |                     |                |              | 121            | П               |   |              |              |         |              |        |  |            |   |
| } |                 | 22         | 1            |                     | _                          | 4        | _      | +       | -          | Н           | ļ        |               | 72       | _        | _                       | - -            | +       | $\downarrow$ | _             | $\sqcup$            | _              |              | 122<br>123     | $\vdash$        | -                                       | $\dashv$     | 4            | _       | +            | +-     | ├  |            |   |
|   |                 | 23<br>2#   | -            |                     |                            | +        | -      | +       | +          | Н           | -        |               | 73<br>74 | $\dashv$ | $\dashv$                | ╬              | +-      | +            |               | $\vdash$            | -              |              | 123            |                 | -+                                      | +            | +            | +       | +            | ╁      |  |            |   |
|   |                 | 25         |              |                     |                            | $\perp$  |        |         |            |             |          |               | 75       | 寸        |                         | $\dagger$      |         |              |               |                     |                |              | 125            |                 | 士                                       |              | 1            |         |              |        |  |            |   |
| [ |                 | 26         |              |                     | $\Box$                     |          |        |         |            |             |          |               | 76       | $\Box$   | $\perp$                 | $\perp$        | $\perp$ | I            | T             | $\Box$              |                |              | 126            | П               | $\Box$                                  | 4            | $\downarrow$ | 1       |              | 1-     |  |            |   |
| 1 |                 | 27<br>28   | $\vdash$     | -                   | +                          | +        | +      | +       | -          | $\vdash$    | ŀ        |               | 77<br>78 | $\dashv$ | +                       | +              | ╁       | +            | +             | $\vdash$            | $\dashv$       | -            | 127<br>128     | $\vdash$        | $\dashv$                                | +            | $\dashv$     |         | +            | ╁╌     | ⊢  |            |   |
| } |                 | 29         |              | $\vdash$            | $\dashv$                   | +        | ╁      | ╁       | +          | H           | -        |               | 79       | $\dashv$ | ╁                       | +              | +       | +            | +             | H                   | $\blacksquare$ |              | 129            | $\vdash$        | -                                       | $\dashv$     | $\dagger$    | _       | +            | ╁      | $\vdash$   |            |   |
|   |                 | 30         |              |                     |                            |          |        |         |            |             |          |               | 80       |          |                         |                |         |              |               |                     |                |              | 130            |                 |   |              |              |         |              |        |  |            |   |
|   |                 | 31         | ļ            | $\dashv$            | _                          |          | +      | $\perp$ | $\perp$    | Ш           | F        |               | 81       | _        | -                       | +              | +       | $\perp$      | -             | $\vdash$            | $\square$      | -            | 131<br>132     |                 | $\dashv$                                | +            | _            | -       | +            | +      | _  |            |   |
| } |                 | 32<br>33   | ╁            | $\dashv$            |                            | +        |        |         | ╁          | Н           | -        |               | 82<br>83 | -        |                         | ╁              | +       | +            | +-            | $\vdash$            | $\dashv$       |              | 133            | Н               | $\dashv$                                |              | +            | +       | +            | ╁╌     | ┢  |            |   |
|   |                 | 34         |              |                     |                            | _        |        |         |            | $\Box$      | t        |               | 84       |          | $\top$                  | $\top$         | 1       | t            | 1             |                     |                |              | 134            |                 |   |              | 1            | 上       | I            |        |  |            |   |
| ļ |                 | 35         |              | П                   | $\Box$                     | $\Box$   | $\top$ | $\perp$ | $\bot$     |             |          |               | 85       | $\Box$   | $\perp$                 | $\perp$        | $\perp$ | Ţ            | $\perp$       |                     |                |              | 135            | П               | $\Box$                                  | ightharpoons | Ţ            | $\bot$  | Ţ            | $\bot$ | F  |            |   |
| } |                 | 36<br>37   | $\vdash$     | $\vdash \downarrow$ | +                          | +        | +      | +       | +          | H           | -        |               | 86<br>87 | +        | +                       | +              | +-      | +            | - -           | +                   |                | -            | 136<br>137     | ┼┤              | $\dashv$                                | +            | +            | +       | +            |        | ├-   |            |   |
| } |                 | 38         | +            | $\vdash$            | +                          | +        | +      | +       | +          | H           | $\vdash$ |               | 88       | +        | +                       | +              | +       | $\dagger$    | +             | +                   | $\dashv$       |              | 138            | ╁╌┤             | _                                       | $\dashv$     | +            | +       | +            | _      | <del>                                     </del> |            |   |
| [ |                 | 39         |              |                     | $\Box$                     |          |        | 工       |            |             |          |               | 89       | ユ        | $\downarrow$            |                | T       | I            |               |                     |                |              | 139            |                 |   | $\Box$       | $\perp$      | $\perp$ | $\downarrow$ | 1      |  |            |   |
|   |                 | 40         | L            | Ц                   | _                          | +        | -      | +       | +-         | H           | -        |               | 90       | +        | +                       | +              | +       | +            | +             | $oldsymbol{\sqcup}$ | $\vdash$       |              | 140<br>141     | $\vdash$        | $\dashv$                                | -            | +            | +       | +-           | -      | $\vdash$   |            |   |
| ł | _               | 41         | +            | $\vdash$            | $\dashv$                   | +        | +      | +       | +          | H           | $\vdash$ |               | 91<br>92 | +        | +                       | +              | +       | +            | +             | H                   | $\dashv$       | -            | 141            | ╁╌┤             | $\dashv$                                | $\dashv$     | +            | +       | +            | +      | $\vdash$   |            |   |
| ļ |                 | 43         |              |                     |                            | 士        |        | 土       |            |             | t        |               | 93       |          |                         |                |         | 1            |               |                     |                |              | 143            | 口               |   | 1            | 1            | 1       | $\perp$      | 上      |  |            |   |